**Productivity IA Data Processing Help**

Remember the aim of this IA is: “To determine how fertilizer impacts the GPP and NPP of grass.”

**You will be assessed on DCP and DEC**

You now know a few pieces of information for the class:

🡪The Wet and Dry weights of the Day 1 grass

🡪The Wet and Dry weights of the Day 2 grass that was uncovered

🡪The Wet and Dry weights of the Day 2 grass that was covered

🡪You also know that the grass was treated in three ways: 0 fertilizer, 1M fertilizer, 3M fertilizer

You will need to calculate the Respiration rate of each of the three experimental groups.

You will need to calculate the NPP of each of the three experimental groups

You will need to calculate the GPP of each of the three experimental groups

You need to calculate all of these for both dry and wet weights. In your discussion you need to discuss which set of values is more useful and why.

Dry weight of uncovered Day 2 grass - Dry weight of Day 1 grass = NPP

Dry weight of Day 1 grass – Dry weight of Day 2 covered grass = R

NPP + R = GPP

The Calculations:

You should end up with graphs showing NPP, R, and GPP; wet and dry weights. These should not all be on the same graph!!!!!